FEDS & Env Tab -

FEDS

Facilities Engineering Deficiency System (FEDS) tracks any item that is broken at any number of facilities and needs to be either repaired or replaced. These items can include life safety hazards, General Safety, Program deficiencies, etc.

What is FEDS?

Background

The reporting mechanism to accurately track the categories of maintenance and improvement needs of real property is the Facilities Engineering Deficiency System (FEDS). The FEDS identifies and catalogues maintenance and improvement needs. The FEDS table groups items into categories along with a description of the item, required corrective action, estimated cost, and other relevant data. The purpose is to provide facilities managers with a concise list of specific items and methods to restore, repair, maintain, and improve the real property. The physical plant and functional adequacy of each installation can therefore be more effectively managed by systematically taking corrective actions and meeting required or proposed program improvements.

Definition

- 1. BEMAR is an acronym for Backlog of Essential Maintenance, Alteration, and Repair.
- 2. FEDS is an acronym for Facilities Engineering Deficiency System. It is an application that is used to manage all deficiencies including BEMAR, management, and unmet space needs. A deficiency is a need to repair, replace, or alter real property. These deficiencies are typically beyond the scope or capability of the Facility Manager and his staff or has been overlooked by the Facility Manager and discovered during a Facilities Condition Survey

FEDS is used to:

- (A) Compare an installation's condition to other IHS installations;
- (B) Define regular maintenance requirements;
- (C) Define and develop capital repair and replacement projects;
- (D) Develop cost estimates;
- (E) Eliminate conditions that are either potentially damaging to the property or present life safety hazards;
- (F) Identify energy conservation measures;
- (G) More accurately forecast the facilities budget.

What typical types of deficiencies are encountered?

Typical unidentified deficiencies reported in FEDS in the past include:

- A. Premature systems deterioration from lack of maintenance to: (1) Exterior and interior finishes such as paint, flooring, and roof systems; and (2) Electrical and mechanical equipment such as ventilation and exhaust fan bearings, electrical windings, and plumbing.
- B. Change in program requirements resulting from: (1) Lack of adequate isolation rooms; (2) Change in use of space functions; and (3) Lack of space for storage, proper maintenance access, or new electronic equipment.
- C. Compliance with Public Law requirements regarding: (1) Handicap accessibility, (2) Environmental, and 3) Energy conservation.
- D. Design/construction oversights resulting in a lack of: (1) Outside air intakes for medical/dental compressors or heating equipment combustion air; and (2) Space to access equipment for maintenance.

What benefits result from the FEDS program?

The following benefits result from the FEDS program:

- (1) Facilities accreditation requirements are met;
- (2) Building systems are effectively evaluated and corrective actions lead to replacement and/or assist in more effective maintenance and operation;
- (3) Life expectancy of building systems is prolonged;
- (4) Work environment is improved; and
- (5) Ultimately customers have a higher level of satisfaction with services provided at the facility.

Facility Condition Surveys -

In the Past...

-The Scope of Work for the surveys was varied and inconsistent producing significant data inequities between facilities and areas.

- -Data collection and reporting techniques were not standardized or repeatable
- -Ability to prepare five and ten year funding projections were very subjective

What can we do now...

- -Obtain and provide consistent and repeatable survey data
- -Know the condition of the real property inventory using the Facility Condition Index (FCI)
- -Ability to prepare multi-year funding and condition projections consistently across the inventory
- -Ability to push and pull data so that information is entered once by auditors.

Where are we today...

- -Standardized guidance manual written in 1999 through committee and continual refinement of the manual
- -Pilot project undertaken in April 2000 to implement and further develop the methods, process and scope of surveys
- -To date 30 percent of the Agency's inventory has been surveyed using the new methods and guidance
- -Total cost of surveys and reporting ranges between \$2.15 \$4.00 per square meter.

Benefits

- -We are now able to project and present total needs across multiple years in a more realistic way
- -This can be accomplished for either a specific asset, system within an asset or for an entire management Area

Summary

-The goal is to develop a comprehensive and standardized method to survey the physical condition of the IHS and Tribally-owned Real Property Inventory

Elements include:

information

- -Incorporating current and recognized industry "best practice" methods and technologies from private sector and other governmental agencies
- -Making the best use of existing IHS legacy systems and information, and incorporating it into new standardized methods -Implementing new data management technologies to provide efficient and effective transfer and reporting of survey

FEDS & Env Tab -



Forms -

Navigation Form

Prioritizing Factors

FEDS Budget Estimate Inflation Adjustment

FEDS Priority Year Adjustment

AME and Other Data Transfer Utilities

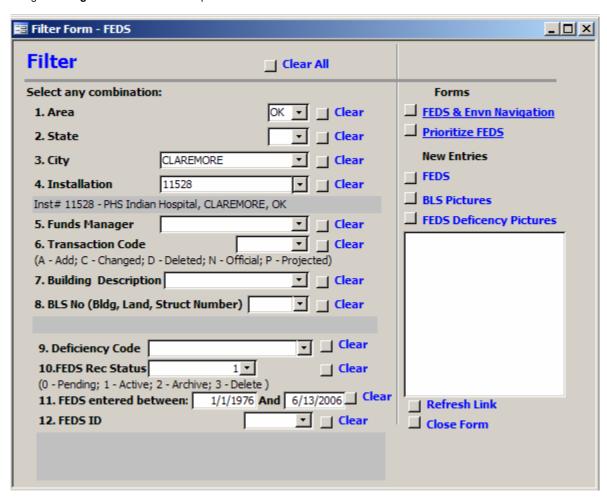
FEDS - Datasheet View

Archived / Deleted FEDS

Archived / Deleted Environmental Records

Navigation Form -

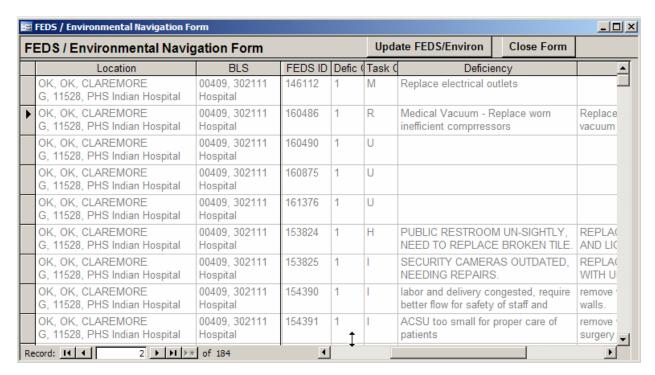
Selecting the Navigation Form button will open the filter window shown below:



The left hand side of the form is the filter(criteria). The right hand side contains the "action" to be completed once the filter conditions are specified.

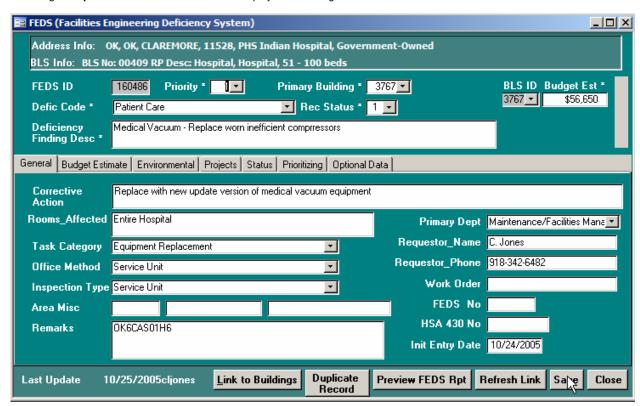
From this form, up to 12 criteria can be selected. The more criteria you select the less record will return.

The following window was generated by selecting an installation and then the FEDS & Envn Navigation button:



This is a datasheet view of all FEDS items that have been entered for the installation selected. This view shows that there are 184 entries for this installation. Additional data include the location, BLS number, FEDS ID number, deficiency code, status, task category, deficiency description, and corrective action required.

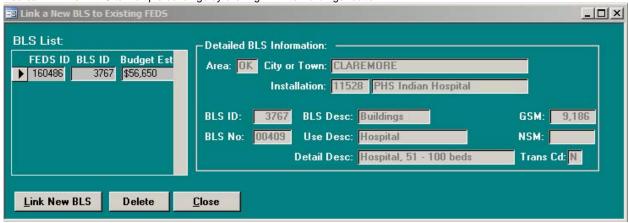
Selecting the **Update FEDS/Environ** button will display the following form for the indicated FEDS item:



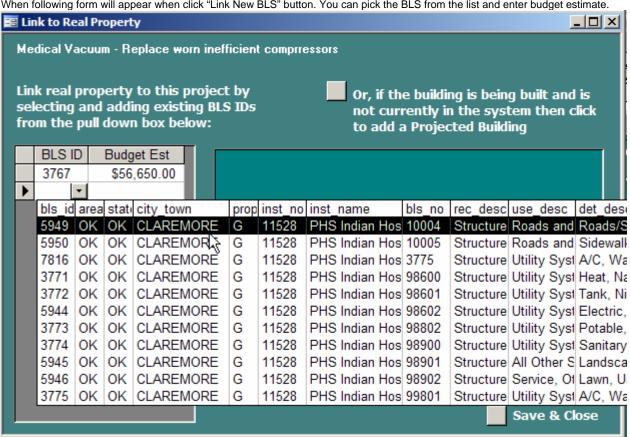
This form contains the complete FEDS record and has tabs for General information, Budget Estimate, Environmental, Projects, Status, Prioritizing, and Optional Data. If this is an "Energy Conservation" deficiency, then the "Energy Conservation" tab will become visible.

All fields which have an asterisk next to the name require data input.

You can link the FEDS to multiple buildings by clicking "Link to Buildings" button:

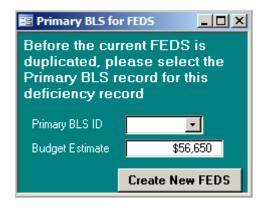


When following form will appear when click "Link New BLS" button. You can pick the BLS from the list and enter budget estimate.

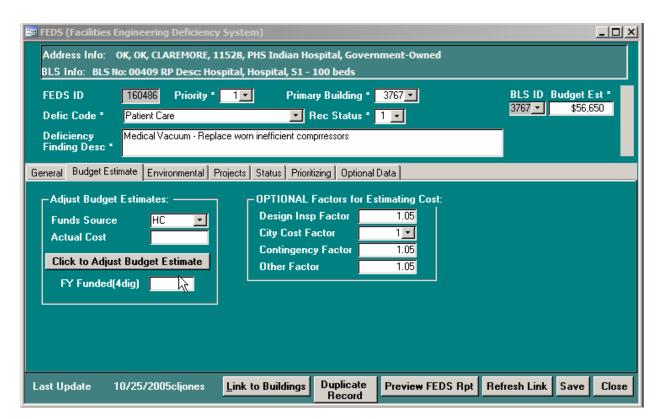


Duplicate Record

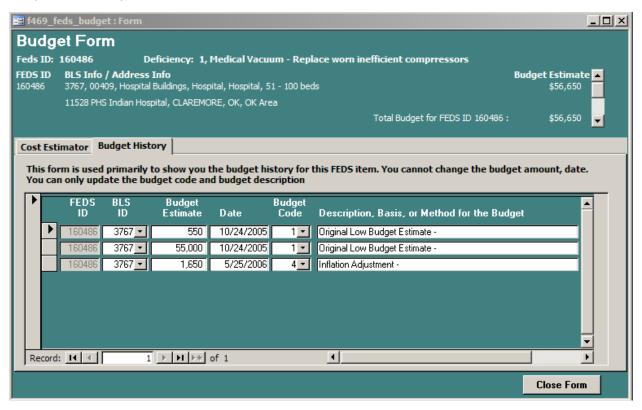
You can duplicate the current record by clicking "Duplicate Record" button.



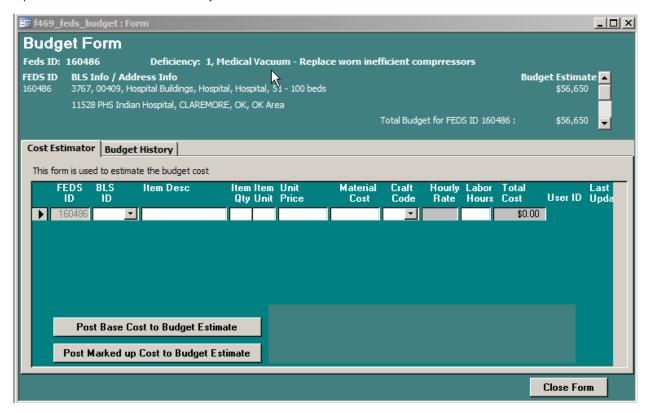
On this form, select a building, change the Budget Estimate if necessary. Then click "Create New FEDS" button.

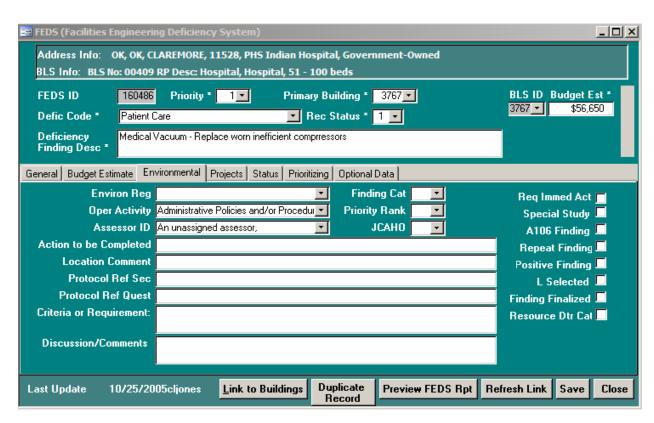


This tab on FEDS Update form shows all Budget related fields. Click the button "Click to Adjust Budget Estimate" to see the budget history for this deficiency.

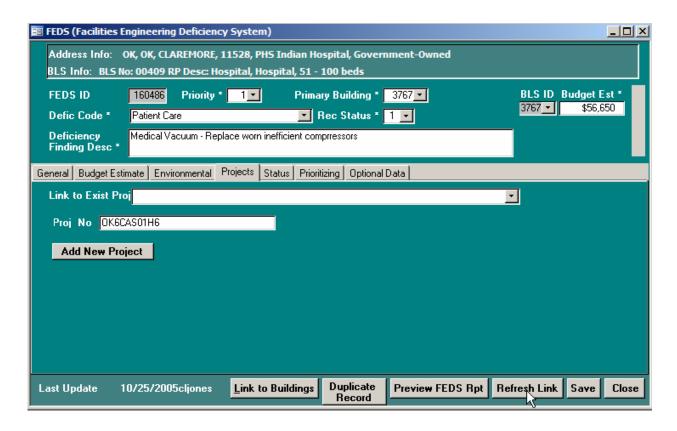


This tool allows the user to enter specific estimates and dollar values for labor and materials cost associated with completing the repair or resolution of the FEDS deficiency and build and estimate:

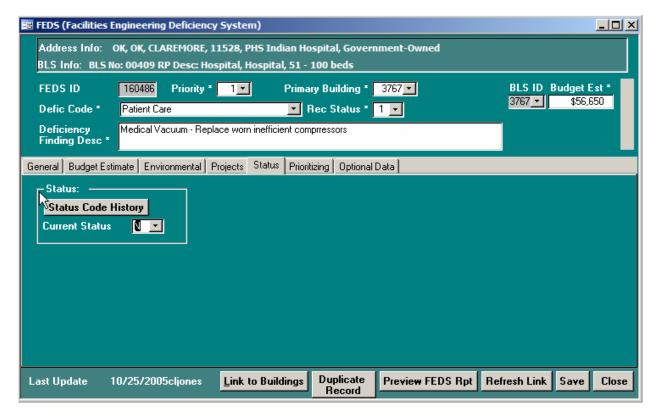




The Environmental tab on FEDS update form shows additional fields for environmental findings.



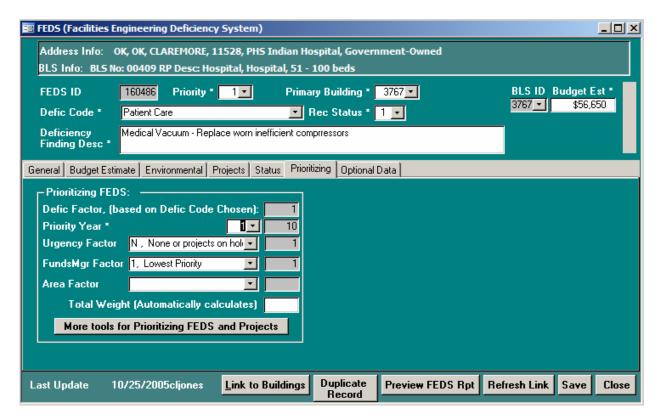
Project tab – you can link this FEDS to an existing project. If the project doesn't exist in HFDS, you can click "Add New Project" to create the project.



Status tab

Click "Status Code History" button to view the status history for this deficiency.

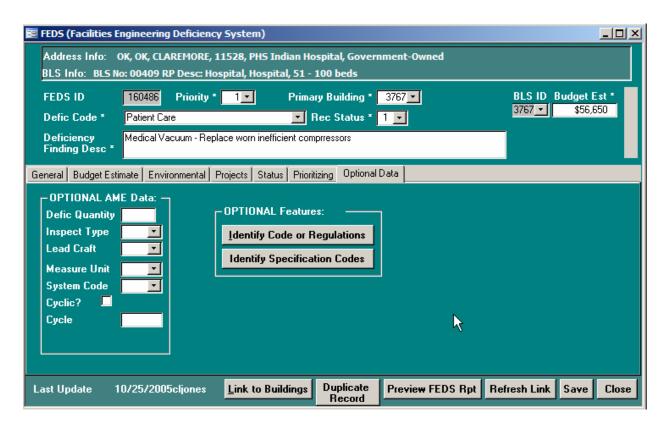




Prioritizing tab

More Tools for Prioritizing FEDS and Projects button

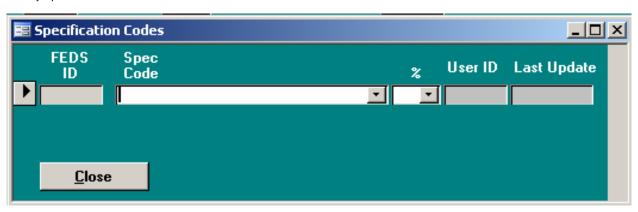




Identify Code or Regulations button



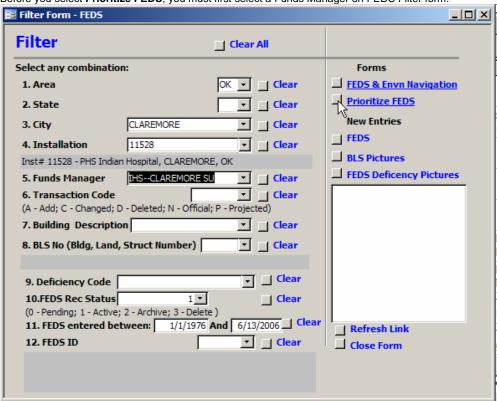
Identify Specification Codes button

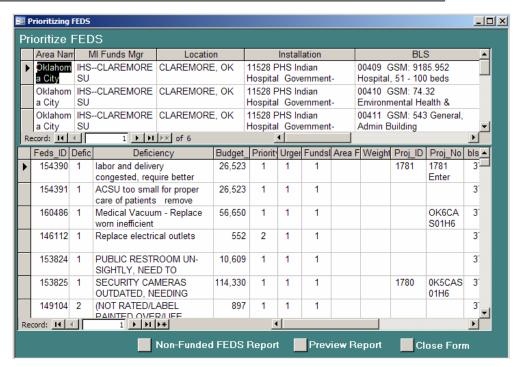


Preview FEDS Report button. On clicking this button, it will bring up the FEDS report for this deficiency only:



Before you select Prioritize FEDS, you must first select a Funds Manager on FEDS Filter form:

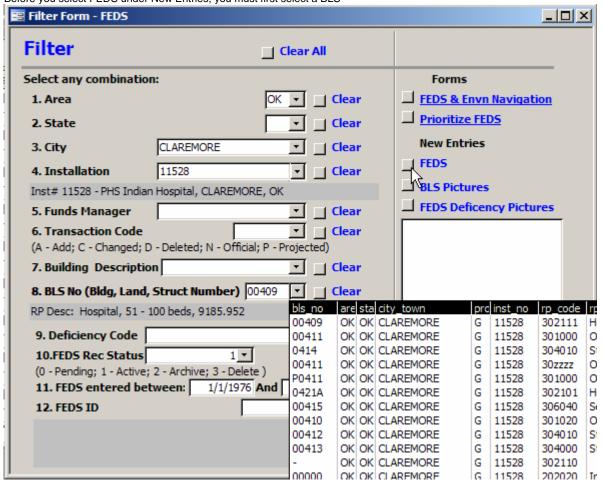




From this form, you can update all the priority factors.

You can also preview the FEDS priority report, however it's not Funds Mgr specific or facility specific.

Before you select FEDS under New Entries, you must first select a BLS



Using BLS Pictures under New Entries the user can attach pictures of the building, land, or structure

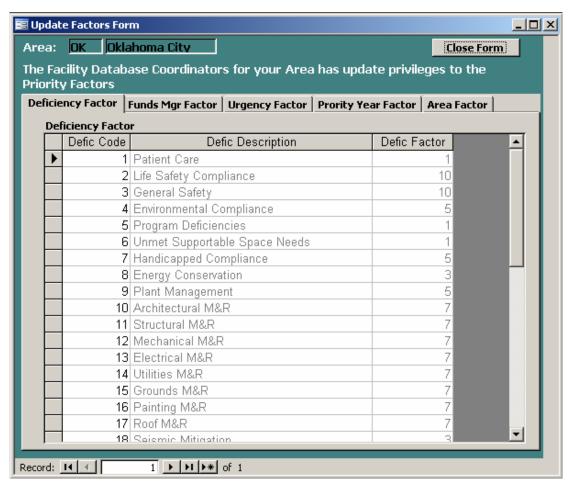
You can also attach pictures to FEDS items by selecting a FEDS ID then clicking on the FEDS Deficiency Pictures

Prioritizing Factors -

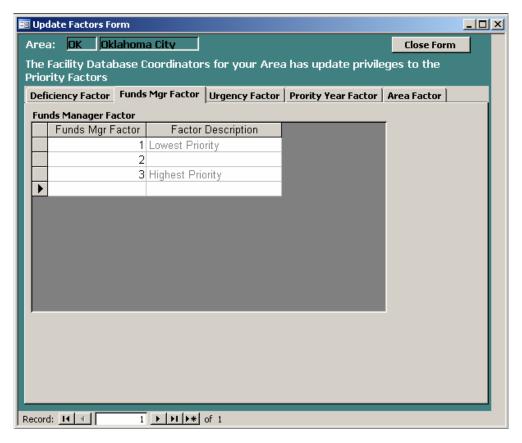
This button brings up the same box as the More Tools for Prioritizing FEDS and Projects button described in the previous section



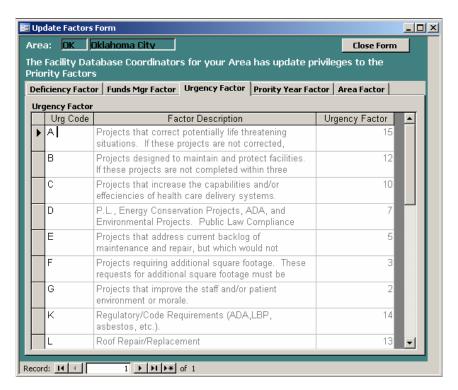
Only users belonging to the POC group are allowed to update the Priority Factors



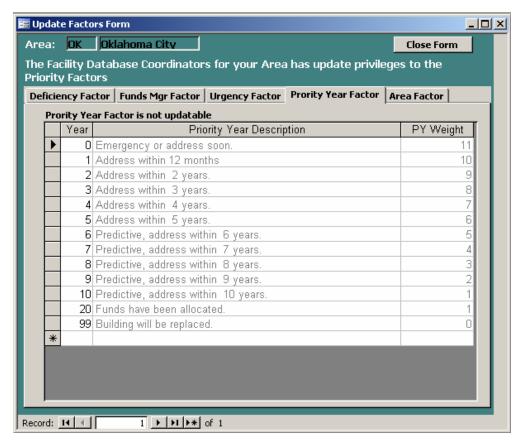
Deficiency Factor tab



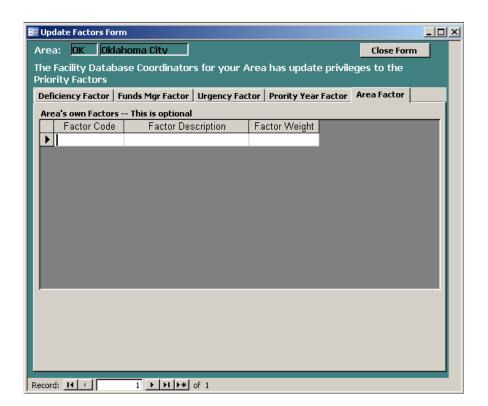
Funds Mgr Factor tab



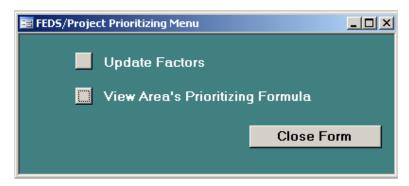
Urgency Factor tab



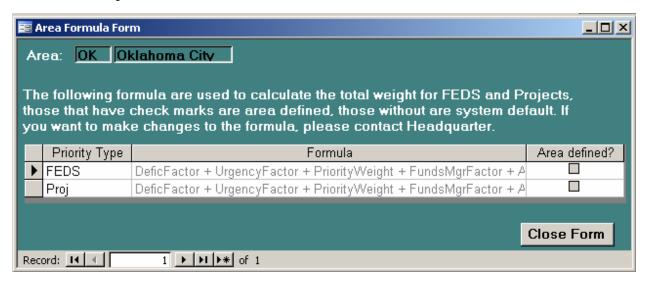
Priority Year Factor tab



More Tools for Prioritizing FEDS and Projects button

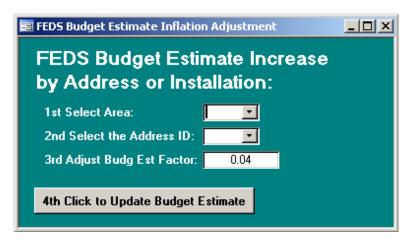


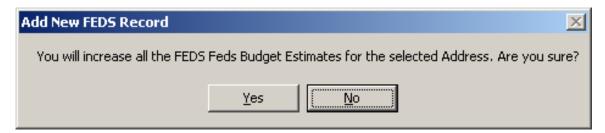
View Area's Prioritizing Formula button



FEDS Budget Estimate Inflation Adjustment -

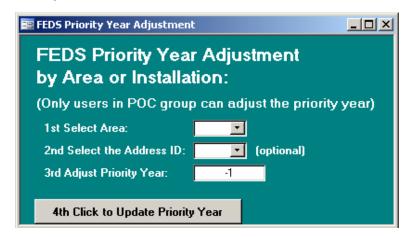
This is a utility tool for the FEDS. You can use to increase the FEDS budget estimate, by the percentage you specified, for all FEDS record at one location







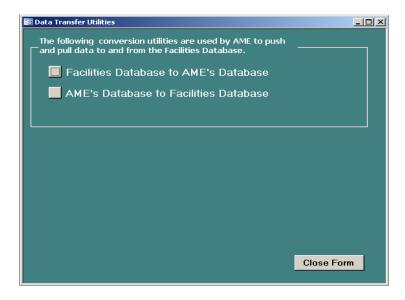
FEDS Priority Year Adjustment -





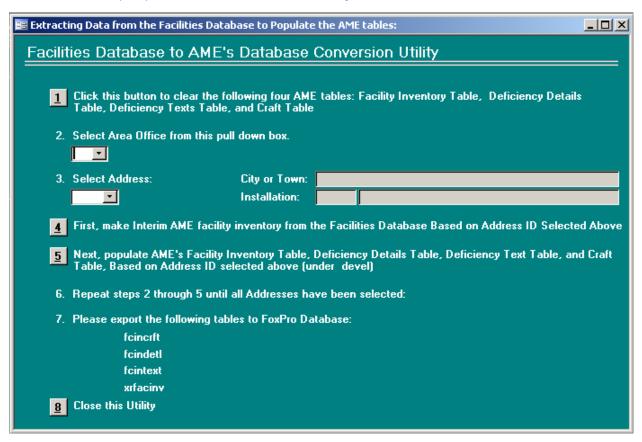
Only users belonging to the POC group are allowed to update the priority year.

AME and Other Data Transfer Utilities -



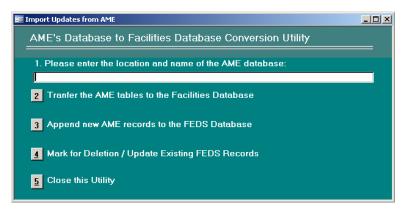
HFDS to AME's Database.

Before AME do a survey, they will use this form to download the existing FEDS from HFDS



AME's Database to HFDS

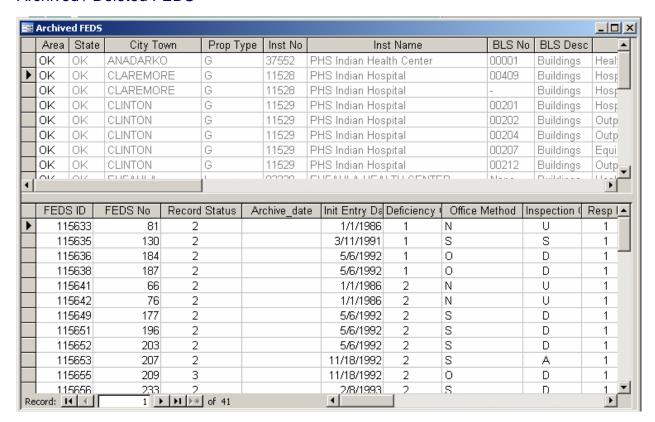
After AME finish their survey, they will upload the revised FEDS to HFDS using this form



FEDS - Datasheet View -

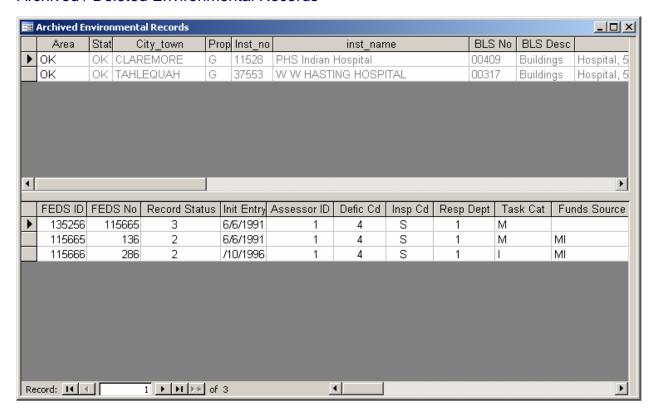
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OK	KS	HORTON		0	OK50A	00001	HORTON HEAL	Buildings	Health Sta	ation, Full Serv, 40 hr:
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Archived / Deleted FEDS -



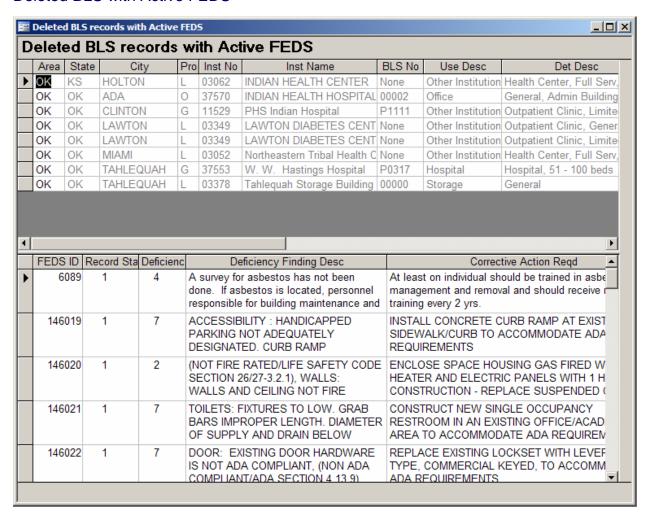
This form shows all the archived and deleted deficiencies. You can change the Record Status back to "1 – Active" if it was a mistake.

Archived / Deleted Environmental Records -



This form shows all archived and deleted environmental related deficiencies. You can change the Record Status back to "1 – Active" if it's a mistake.

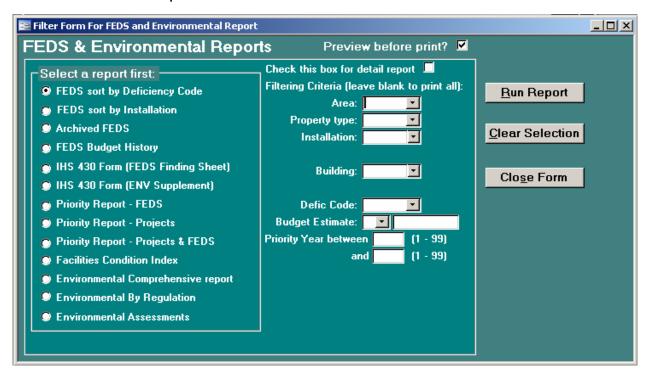
Deleted BLS with Active FEDS



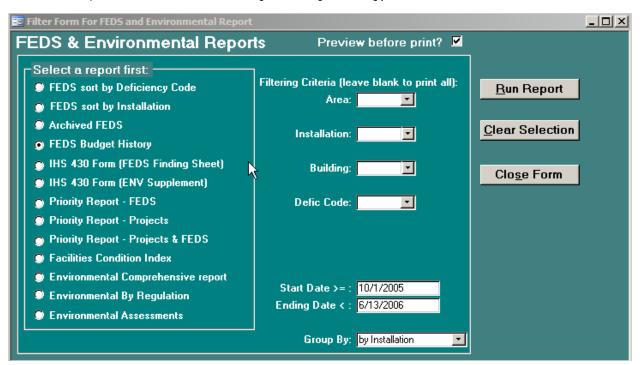
This form shows the demolished/transferred buildings that still have active FEDS items. Users need to use this form to archive or delete the FEDS.

Reports -

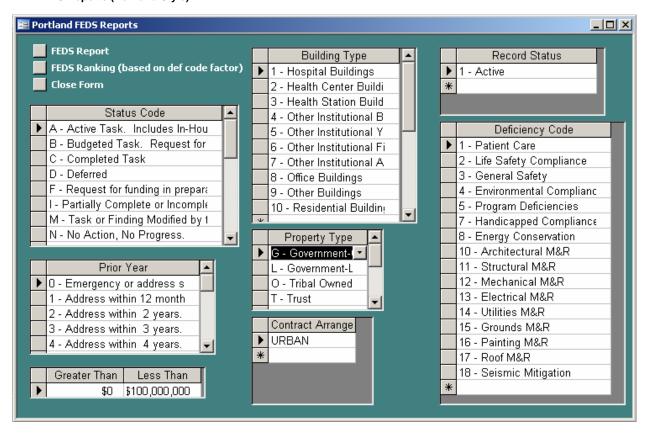
FEDS & Environmental Reports



When different report is selected, the criteria on the right will change accordingly.



FEDS Reports (Portland Style)



This is an advanced filter. All criteria shown will print. If you don't want a particular one, it can be deleted from the list.